

COPY TO O. C. C. SUBMIT IN TRIPLICAT
(Other instructions on
reverse side)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

LC 031670 (8)

5. LEASE DESIGNATION AND SERIAL NO.
AC 031695 (2)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
30th Mile Burger B

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Boundary 5-Sub

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 20, T-20N, R-38E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
PO Box 460, Janice, N.M. 85246

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At surface
760' SW 3 16-50' SW 4
 At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any.)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
6700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3534.3' GR

22. APPROX. DATE WORK WILL START*
Jan. 15, 1979

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<i>12 1/4"</i>	<i>9 5/8"</i>	<i>32</i>	<i>1400'</i>	<i>575 cu</i>
<i>8 3/4"</i>	<i>7"</i>	<i>23 1/2</i>	<i>550' / 1400'</i> <i>(6700' total)</i>	<i>1500 cu</i>

It is proposed to drill a straight hole to a TD of 6700' and complete as a Boundary 5-Sub dual well.

See attachment for formation logs, mud program, logging, S.C.P., etc.
See attached for Surface Well Plan

RECEIVED

DEC 1 1978

U. S. GEOLOGICAL SURVEY
HOBB - NEW MEXICO

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLETION OF WAIVER ATTACHED
"GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Ben A. Roe* TITLE *Administrative Supervisor* DATE *11-30-78*

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
USGS 61
77113U 4
JFB

APPROVED
 AS AMENDED
 DEC 22 1978
 DATE *[Signature]*
 DISTRICT ENGINEER

*See Instructions On Reverse Side

ATTACHMENT TO FORM 9-331 C
APPLICATION FOR PERMIT TO DRILL

Continental Oil Company
SEMU BURGER B No. 100
T-20S, R-38E
Lea County, New Mexico.

1. The geologic name of the surface formation is Quaternary Sand.
2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached Proposed Well Plan.
4. The proposed casing program is as follows:
 0 -1400' - 9 5/8", 32#, K-55, ST&C
 0 -5500' - 7", 23#, K-55, ST&C
 5500'-6700' - 7", 26#, K-55, ST&C
5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
6. The proposed mud program is as follows:
 0 -1400' 8.5-9.0 PPG fresh water
 1400'-6700' 9.0-10.0 PPG salt water
7. The auxiliary equipment to be used is:
 (1) kelly cocks
 (2) floats at the bit
8. It is proposed to run GR CAL CNL FDC PDC logs at selected intervals, as shown on attached Proposed Well Plan.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date is January 15, 1979, with a duration date of approximately 21 days.

PEB:skr

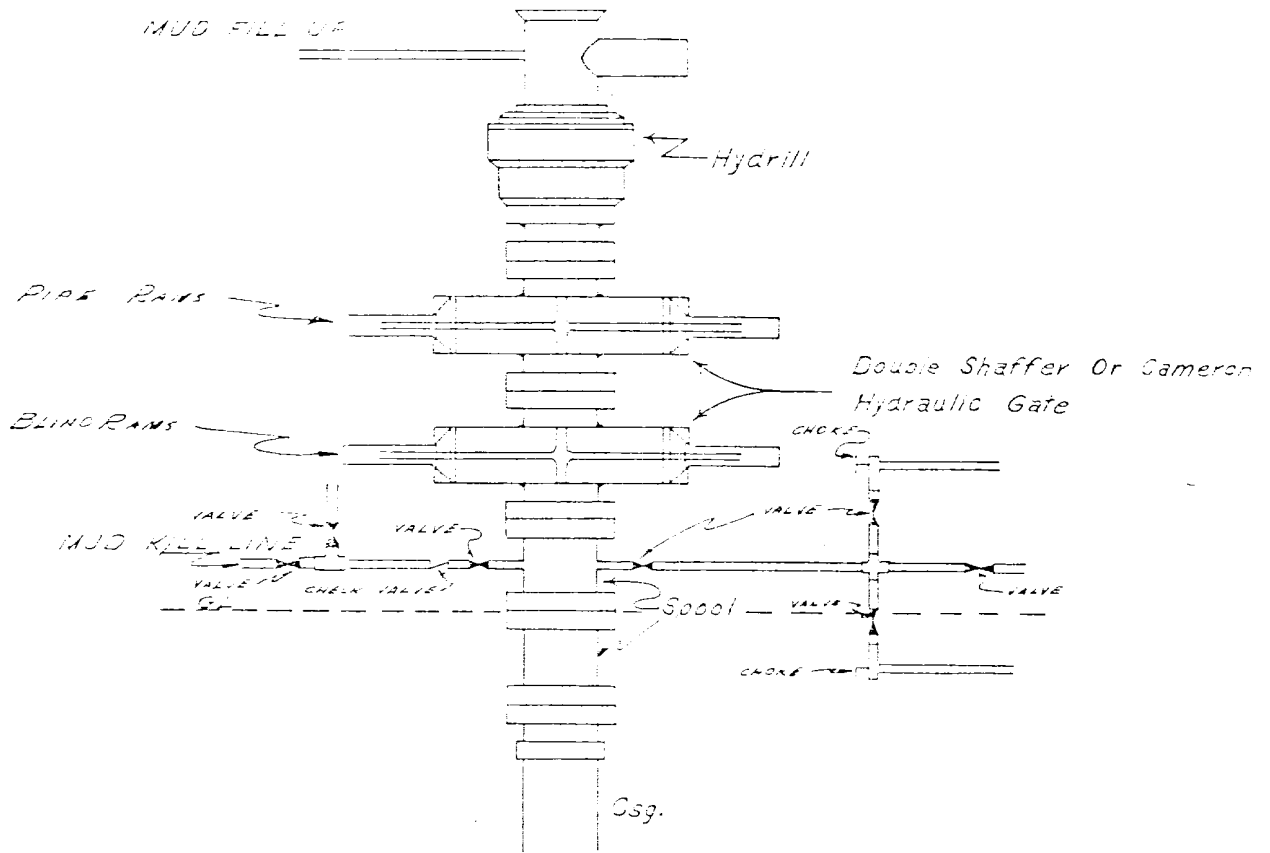
WELL NUMBER: 2001-1001

LOCATION: 700' W of 1/4 Sec. 10, T29S, R35E

STATE: New Mexico
 COUNTY: Santa Fe

DEPTH	FORMATION	ELEVATION	TYPE OF WATER	TEMP.		S.P.	RESISTIVITY	S.G.	ANALYSIS
				TEMP.	DEPTH				
0-100	Water ss. 0-100								
100-1400	Rustler Anhy. 1090 Salado Salt 1490		Geological Reflection 0-10	12.1	9 3/8	1400'			8.5-9.0 Fresh Water
1400-2680	Base Salt 2540 Yates ss. 2680								
2700-3000									Possible water flows encountered 2700'-3000'
3000-5335	Glorieta ss.- 5335		GR-CNL-FDC BLE-CAL 2600'-TD						
5335-5870	Blinbry Marker 5870								
5870-6350	Tubb ss. 6350								
6350-6700	Drinkard dol. 6650 TD 6700			8 3/4	7"	6700'	15.5	Less Than 8.5	9.0-10.0 Salt Water

CONVENTIONAL OIL COMPANY
Blow-out Prevention Tool Joints



API SERIES 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,
HYDRILL MAY OR MAY NOT BE USED.

NEW MEXICO PUBLIC CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
1970

All distances must be from the center of corners of the Section

Owner: Continental Oil Co. Section: 36 Twp: 36N R: 10W

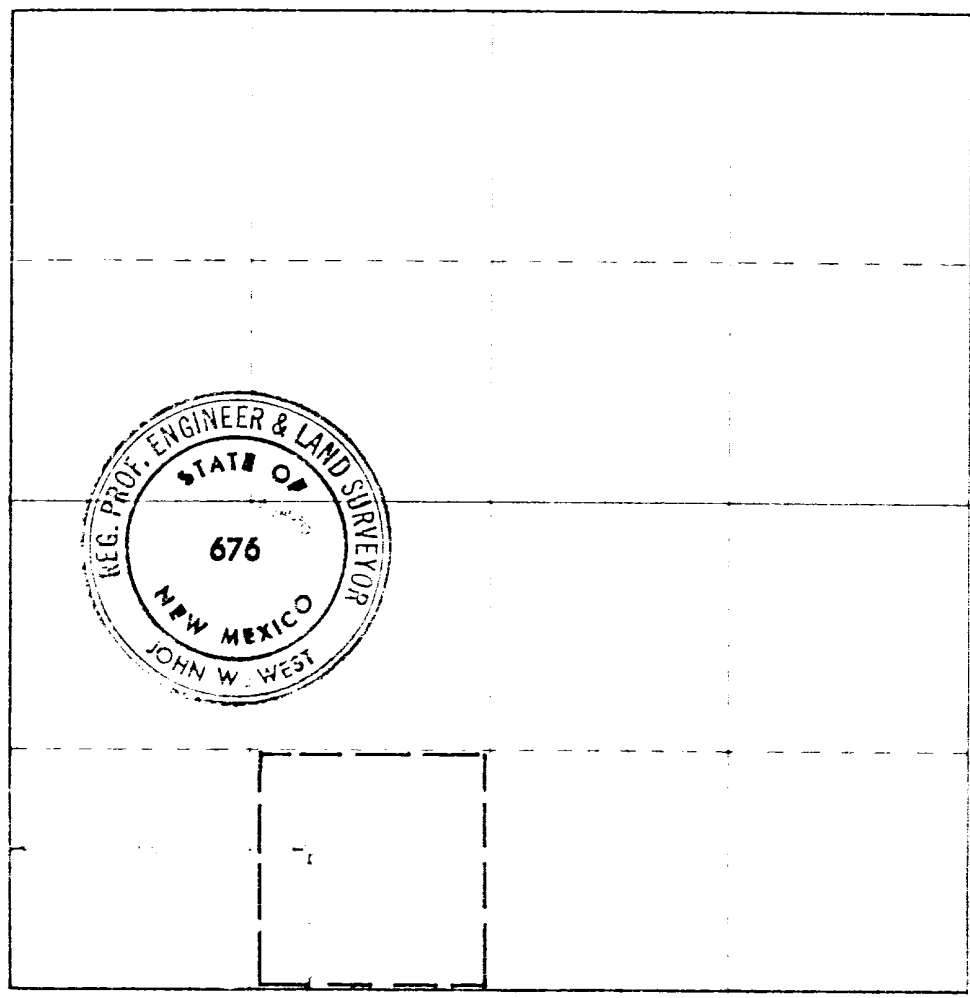
Well Name: Blowing Rock Well No: 40

1. Outline the acreage dedicated to the well, and set by colored pencil or paint marks on the plat the...
2. If more than one lease is dedicated to be used, outline each and identify the ownership thereof (with its working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "Yes," type of consolidation: _____

If answer is "No," list the owners and tract descriptions which have actually been consolidated (if so reverse side of this form if necessary): _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Robert A. Lee
Administrative Supervisor
Continental Oil Company
November 30, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Witness my hand and seal this _____ day of _____, 1978.
John W. West

Signature No. John W. West 676
Ronald J. Edson 3239

SURFACE USE PLAN
Continental Oil Company
Warren Unit No. 61 and SEMU Burger B Nos. 100, 101, 102
T-103, R-38E, Lea County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject wells. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the wells may have on the environment of the wells and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

A. The proposed well sites are:

Warren Unit No. 61 - 660' FSL and 1980' FEL Section 20
→ SEMU Burger "B" No. 100 - 760' FSL and 1650' FWL Section 20
SEMU Burger "B" No. 101 - 660' FNL and 330' FWL Section 29
SEMU Burger "B" No. 102 - 990' FSL and 330' FWL Section 20

B. Exhibit "A" is a portion of a New Mexico road map showing existing blacktop roads. Directions to the location (outlined in red on map) are as follows: From Stanolind Road in Hobbs, travel 9.6 miles south on Highway 18, to Conoco's red, white, and blue cattleguards. Refer to attached Exhibit "B".

C,D,E. Access roads are shown on Exhibits "B" and "C".

F. No improvements or maintenance are anticipated for the existing roads.

2. Planned Access Roads

A. Width and Length: New roads required will be 12' wide and vary in length as shown on Exhibits "B" and "C". The new roads are labeled and coded on Exhibits "B" and "C".

B. Turnouts: None

C. Drainage Design: New road will have a drop of 6" from center line on each side.

D. Culverts, Cuts and Fills: None required

E. Surfacing Material: Six inches of caliche, bladed, watered, and compacted

F. Gates, Cattleguards, Fences: None required

G. The proposed roads are staked.

3. Location of Existing Wells

See Exhibits "B" and "C"

4. Location of Existing and/or Proposed Facilities

- A. Tank Batteries: Existing batteries will be used. See attached Exhibit "C".
- B. Producing Facilities: No new producing facilities are required.
- C. Oil Gathering Lines: Flowlines will lay (not buried) on surface alongside the road right-of-way.
- D. Other Lines: No other lines required.
- E. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location. Rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. Water Supply

The supply of water will be hauled from Eunice, New Mexico.

6. Source of Construction Materials

- A. Caliche will be purchased from Mr. Earl Kornegay.
- B. Caliche will be hauled on existing roads (Exhibit "B") from an existing pit in the SE/SE, Section 15, T-20S, R-38E.

7. Methods for Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. Ancillary Facilities

None

9. Well Site Layout

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Other Information

- A. Terrain: Low rolling sand hills
- B. Soil: Sandy
- C. Vegetation: Shinnery, sparse
- D. Surface Use: Grazing
- E. Ponds and Streams: None within one mile
- F. Water Wells: None within one mile
- G. Residences and Buildings: None within one mile
- H. Arroyos, Canyons, Etc.: None within one mile
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open pits: All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources: None observed

12. Operator's Representative

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

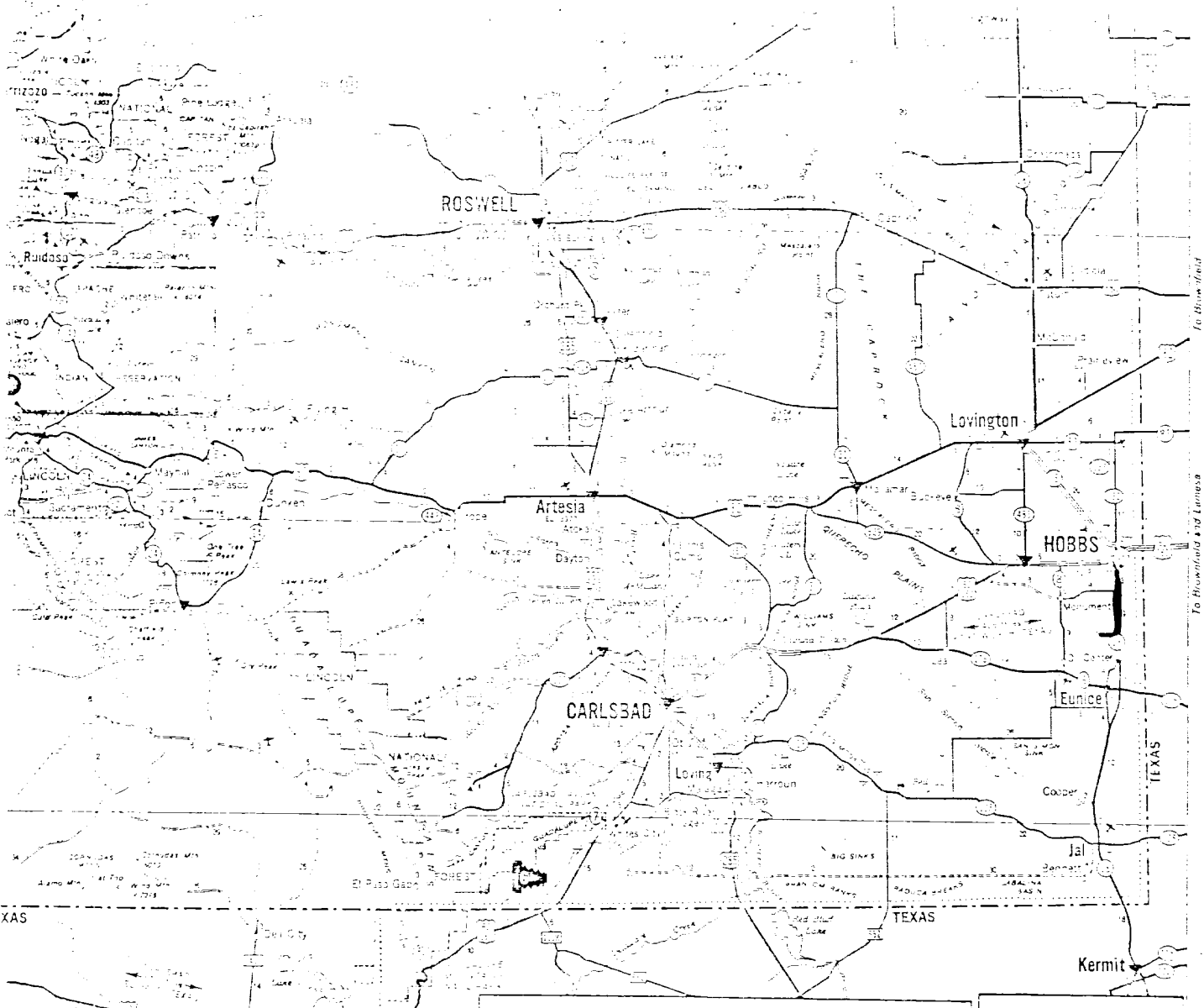
Production and Drilling
W. D. Cates or H. C. Pokrandt
1001 North Turner
Hobbs, New Mexico 88240
Phone: 393-4141

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

W.D. Cates
Date: _____

H.C. Pokrandt
Production Superintendent



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

LOCATIONS WHERE CONOCO PRODUCTS ARE SOLD

- Locations on Interstate Highways, but not on other through highways where Conoco products are sold.
- Locations of CONOCO Truck Depots.
- Locations where CONOCO dealers are authorized to sell Conoco products.

TOURIST ATTRACTIONS

- HISTORICAL
- SCENIC
- GENERAL

Attraction on this map. Reason and date of visit.

HOW TO READ YOUR MAP OF NEW MEXICO

SCALE OF MILES: 0 5 10 20 30 40
ONE INCH EQUALS APPROXIMATELY 25 MILES.

HIGHWAY MARKERS
 INTERSTATE (Shield) UNITED STATES (Circle) STATE (Circle) TEXAS FARM TO RANCH (Square)

ROAD CLASSIFICATIONS
 CONTROLLED ACCESS DIVIDED HIGHWAYS (Double line with dashed center)
 OTHER DIVIDED HIGHWAYS (Double line with solid center)
 PRINCIPAL THROUGH HIGHWAYS (Single line with dashed center)
 OTHER THROUGH HIGHWAYS (Single line with solid center)
 CONNECTING HIGHWAYS (Thin line)

LOCAL ROADS (Thin line with cross-ticks)

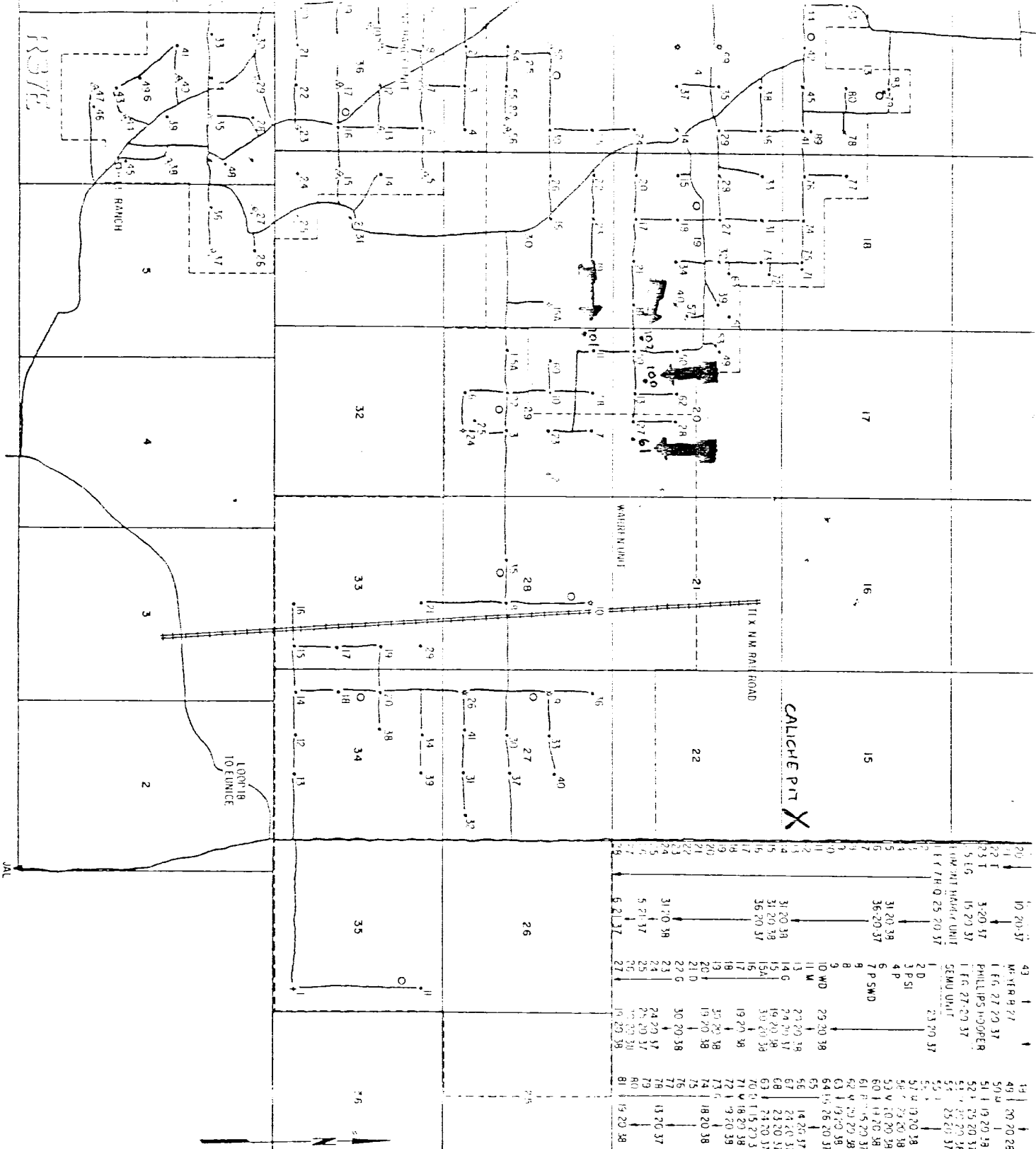
MILEAGES
 MILEAGE BETWEEN TOWNS AND JUNCTIONS (Scale 0-10)
 MILEAGE BETWEEN CITIES (Scale 0-100)
 LONG-DISTANCE MILEAGES SHOWN IN RED

SPECIAL FEATURES
 STATE PARKS (With/Without Campsites)
 RECREATION AREAS (With/Without Campsites)
 PORTS OF ENTRY (Open 24 hours / Inquire Locally)
 POINTS OF INTEREST (Star)

POPULATION SYMBOLS
 State Capitals (Star)
 1,000 to 2,500 (Circle)
 2,500 to 5,000 (Circle)
 5,000 to 10,000 (Circle)
 10,000 to 25,000 (Circle)
 25,000 to 50,000 (Circle)
 50,000 to 100,000 (Circle)
 100,000 and over (Circle)

SCHEDULED AIRLINE STOPS (Plane)
MILITARY AIRPORTS (Star with plane)
OTHER AIRPORTS (Star)
TOURIST INFORMATION (Star with 'i')
SKI AREAS (Star with 's')
SELECTED REST AREAS (Star with 'r')
BOAT RAMPS (Star with 'b')
TIME ZONE BOUNDARY (Dashed line)

THE H. W. JOUSHA COMPANY
 1976 Edition



Well No.	Formation	Sp. From	Other Data
1	STATE A 2	1	30 20 29
2	STATE A 2	1	30 37
3	STATE A 1	1	25 20 28
4	STATE A 1	1	25 20 37
5	STATE A 1	1	25 20 37
6	STATE A 1	1	25 20 37
7	STATE A 1	1	25 20 37
8	STATE A 1	1	25 20 37
9	STATE A 1	1	25 20 37
10	STATE A 1	1	25 20 37
11	STATE A 1	1	25 20 37
12	STATE A 1	1	25 20 37
13	STATE A 1	1	25 20 37
14	STATE A 1	1	25 20 37
15	STATE A 1	1	25 20 37
16	STATE A 1	1	25 20 37
17	STATE A 1	1	25 20 37
18	STATE A 1	1	25 20 37
19	STATE A 1	1	25 20 37
20	STATE A 1	1	25 20 37
21	STATE A 1	1	25 20 37
22	STATE A 1	1	25 20 37
23	STATE A 1	1	25 20 37
24	STATE A 1	1	25 20 37
25	STATE A 1	1	25 20 37
26	STATE A 1	1	25 20 37
27	STATE A 1	1	25 20 37
28	STATE A 1	1	25 20 37
29	STATE A 1	1	25 20 37
30	STATE A 1	1	25 20 37
31	STATE A 1	1	25 20 37
32	STATE A 1	1	25 20 37
33	STATE A 1	1	25 20 37
34	STATE A 1	1	25 20 37
35	STATE A 1	1	25 20 37

- FOR WELL LISTING
- WELL NO. FORMATION SP. FROM
- 1 STATE A 2
 - 2 STATE A 2
 - 3 STATE A 1
 - 4 STATE A 1
 - 5 STATE A 1
 - 6 STATE A 1
 - 7 STATE A 1
 - 8 STATE A 1
 - 9 STATE A 1
 - 10 STATE A 1
 - 11 STATE A 1
 - 12 STATE A 1
 - 13 STATE A 1
 - 14 STATE A 1
 - 15 STATE A 1
 - 16 STATE A 1
 - 17 STATE A 1
 - 18 STATE A 1
 - 19 STATE A 1
 - 20 STATE A 1
 - 21 STATE A 1
 - 22 STATE A 1
 - 23 STATE A 1
 - 24 STATE A 1
 - 25 STATE A 1
 - 26 STATE A 1
 - 27 STATE A 1
 - 28 STATE A 1
 - 29 STATE A 1
 - 30 STATE A 1
 - 31 STATE A 1
 - 32 STATE A 1
 - 33 STATE A 1
 - 34 STATE A 1
 - 35 STATE A 1

EXHIBIT "B"

CONOCO

PRODUCTION DEPARTMENT

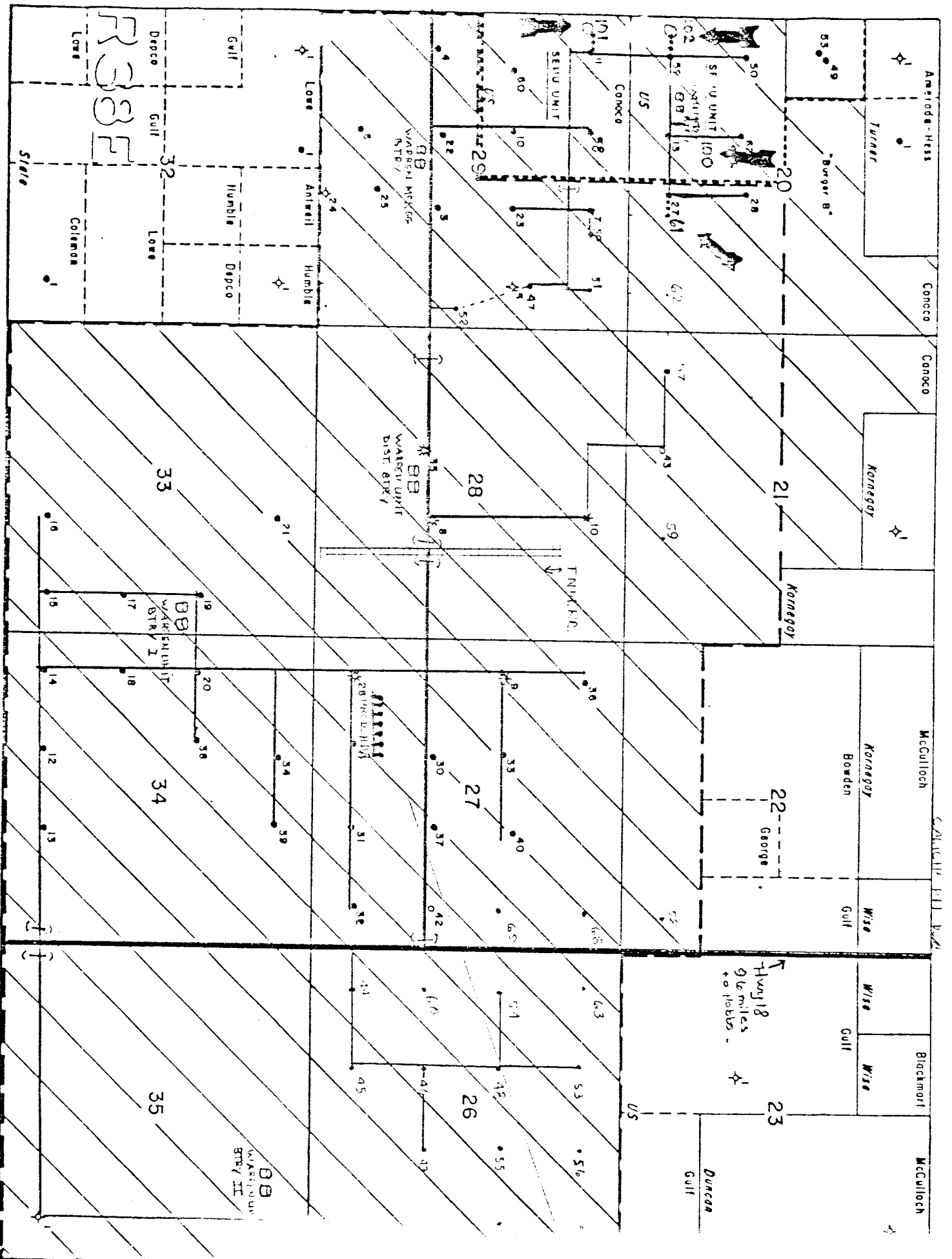
ROAD MAP

LFA COUNTY, NEW MEXICO

WABERIN UNIT AREAS

0 2000 4000

WDC 9 16 EHW



R33F

Fly 18
9/16 miles
to Hobbs.

COLLECTOR PILL BOX

Depco Gull 32
Lowe
Humble Depco
Humble
Antwall
Lowe

Amisoda-Hess
Turner
Burger B.
53 49

CONOCO
CONOCO
KORNGOY
KORNGOY
21

McCulloch
KORNGOY
Bowden
22
George

Wise Gull
Wise Gull
Wise Gull
23

DURCO
Gull
McCulloch

Stair

Column

33

34

35

28

27

26

21

22

23

20

29

25

23

28

28

28

28

28

28

28

28

28

28

28

28

28

28

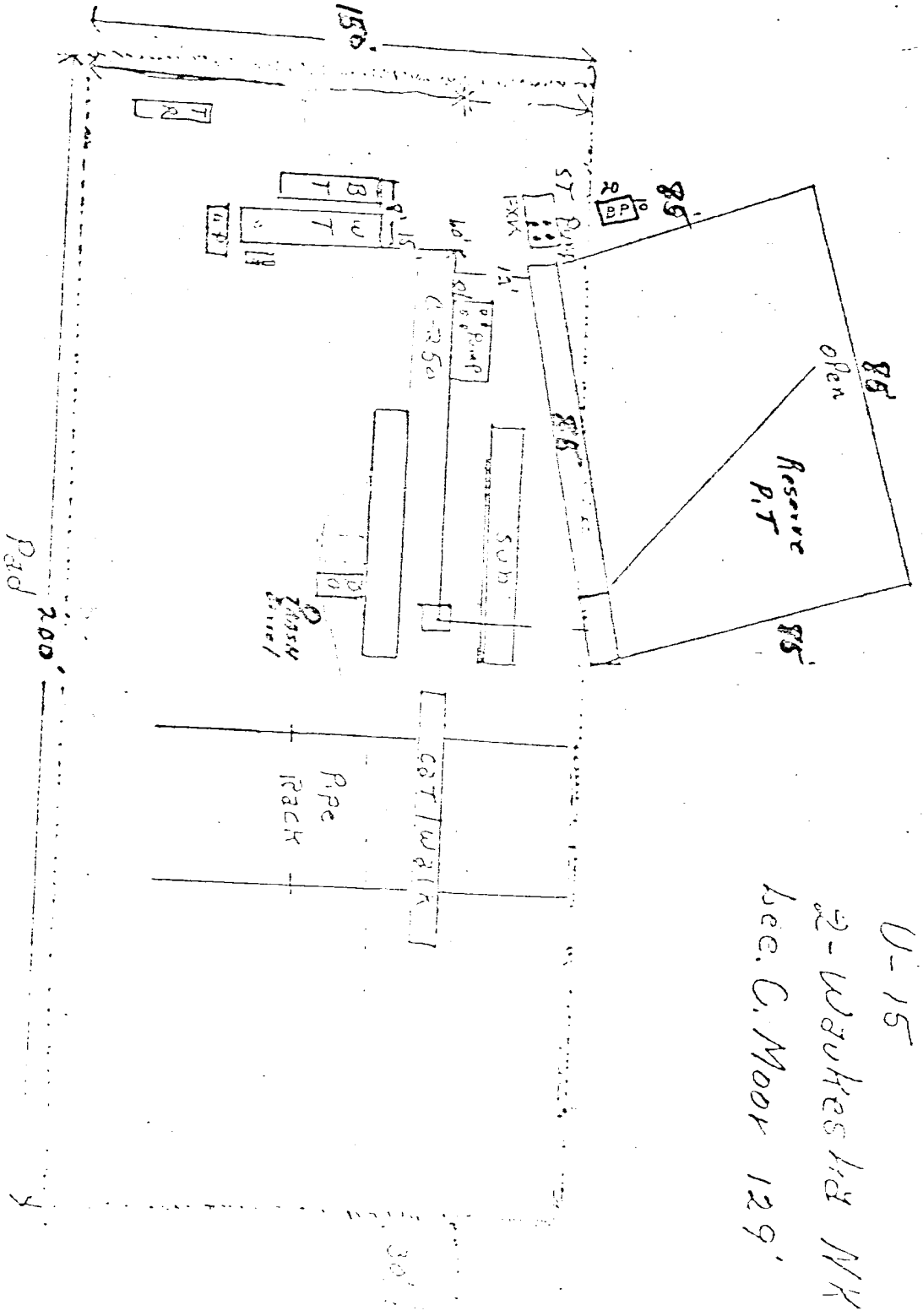
28

Hondo Rig #1

U-15

2-Walkways NW

Sec. C. Moor 129'



CONTINENTS / OIL CO.

EXHIBIT D

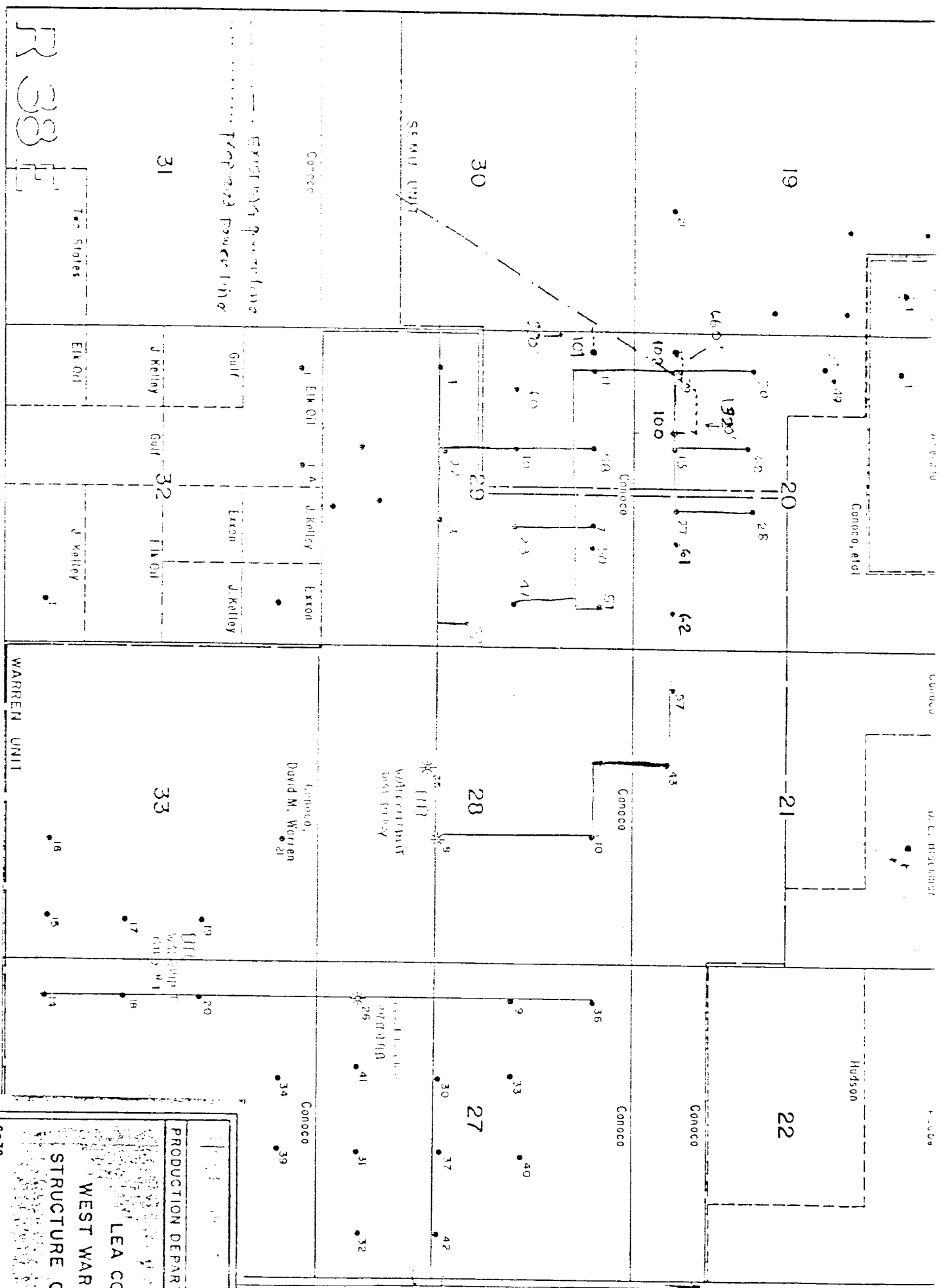
CONTINENTAL OIL COMPANY
SEWU Burger B Nos. 100, 101, 102 and Warren Unit No. 61
POWER DISTRIBUTION

A plot is attached showing the proposed well location, existing power lines, proposed power lines and drawings of the pole design.

It is proposed to tie in to an existing primary line and construct a primary line at 100' per span with a transformer bank for each well. A 20' right of way will be required to install these lines. The proposed lines are staked.

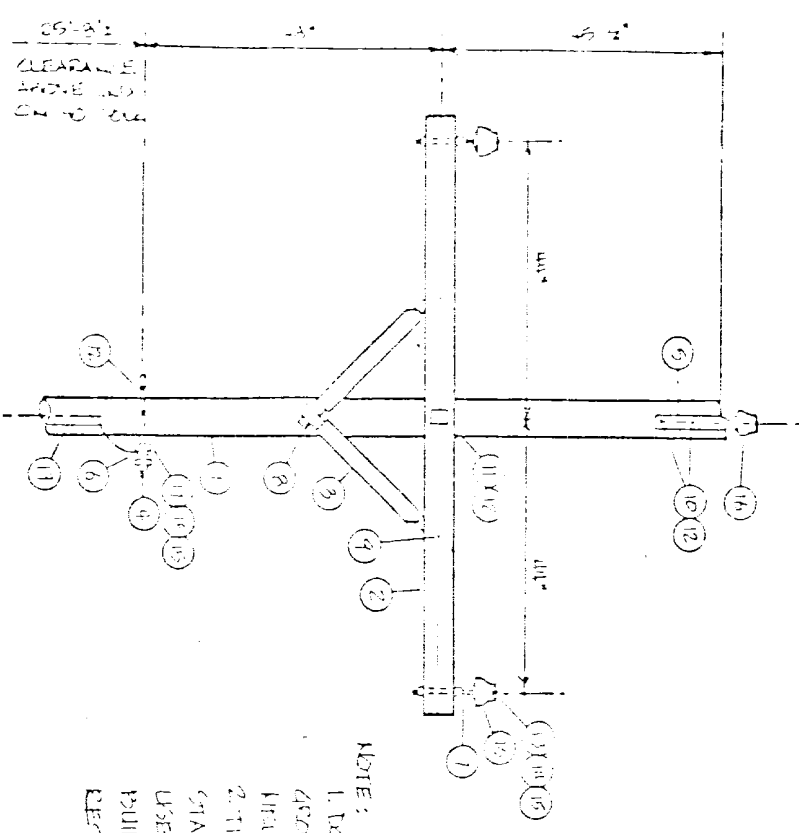
Well No. 100 - The distance from the existing primary line is 1320'.
Well No. 101 - The distance from the existing primary line is 990'.
Well No. 102 - The distance from the existing primary line is 660'.
Well No. 61 - The distance from the existing primary line is 1650'.

PEE:skr



17/18
 20
 T
 ATTACHED
 S

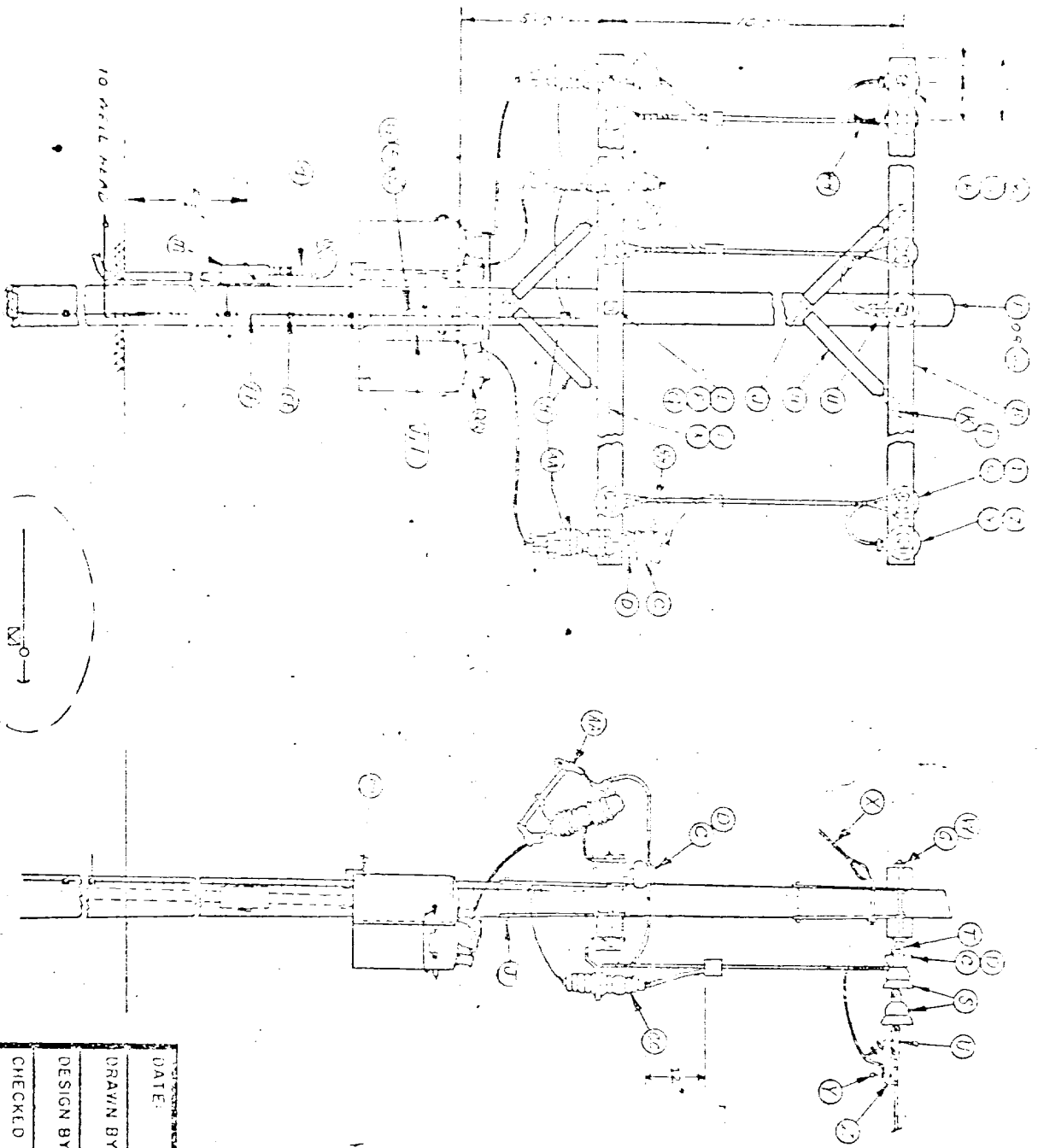
CONOCO
 PRODUCTION DEPARTMENT
 HOBBS DIVISION
 SEMUR UNIT
 LEA COUNTY, NEW MEXICO
 WEST WARREN BLINEBRY OIL POOL
 STRUCTURE ON TOP BLINEBRY MARKER
 SCALE
 0 1000 2000
 6-78



NOTE:
 1. DO NOT INSTALL
 GROUND WIRE FIRST
 MECHANICAL CONDUCTOR.
 2. THIS CONSTRUCTION
 STANDARD TO BE
 USED ON ALL LINES
 BUILT ON NATIONAL
 RESOURCE LANDS

MATERIALS					
ITEM	DESCRIPTION	REQ'D	ITEM	DESCRIPTION	REQ'D
1	WIRE, #10	1	17	NEUTRAL CONDUCTOR	1
2	CROSSARM, 2 1/2" x 1/2" x 8'	1	18	ARMOR ROD	5
3	PRWG. WOOD STUD PALK	2	19	POLE GROUND WIRE, #6 CU.	5
4	WOOD STUD, 1 1/2"	1			
5	STEEL INSULATOR	1			
6	STEEL PIN, 3/8" x 5"	2			
7	LVA. SCREW, 1/2" x 4"	1			
8	CARRIAGE BOLT, 3/8" x 1 1/2"	2			
9	WASHER, 3/8" x 1 1/2"	2			
10	NUT, 3/8" x 1 1/2"	2			
11	WASHER, 3/8" x 1 1/2"	1			
12	WASHER, 3/8" x 1 1/2"	5			
13	WIRE CONDUCTOR	1			
14	ARMOR ROD	3			
15	TIE WIRE, #6 AL.	1			
16	PH INSULATOR, 9 KV	3			

DATE: 7-15-71	TITLE: PRIMARY IN LINE POLE 12,000 VOLT AXLR
DRAWN BY: J. D. WRIGHT III	CONCOO
DESIGN BY:	HOBBS DIVISION
CHECKED BY: SK	PRODUCTION DEPT.
APPROVED BY: SK	JOB:
SCALE: 1/2" = 1'-0"	ELEL. SPELLO
	DRAWING NO: ES-26



ITEM	QTY	UNIT
A	4	
B	5	
C	5	
D	5	
E	3	
F	2	
G	12	
H	8	
I	4	
J	8	
K	8	
L	8	
M	1	ESIA NOTE 5
N	6	
O	3	
P	3	
Q	5	
R	5	
S	1	
T	1	
U	1	
V	1	
W	1	
X	1	
Y	1	
Z	3	
AA	3	
AB	3	
AC	3	
AD	8	
AE	1	
AF	1	
AG	6	
AH	1	
AI	1	
AJ	1	ESIA NOTE 2
AK	1	
AL	3	
AM	5	
AN	5	

NOTE:
 1. CENTER FLANGE ON PANK WILL HAVE EPOXY INSULATOR, LEASURY # 323019-24 IHS. (REF - REFER TO PANK, E9-28)
 2. ALL WIRE FROM POINT 'U' WILL BE INSULATED TYPE WIRE ON TRANSFORMER PANK.

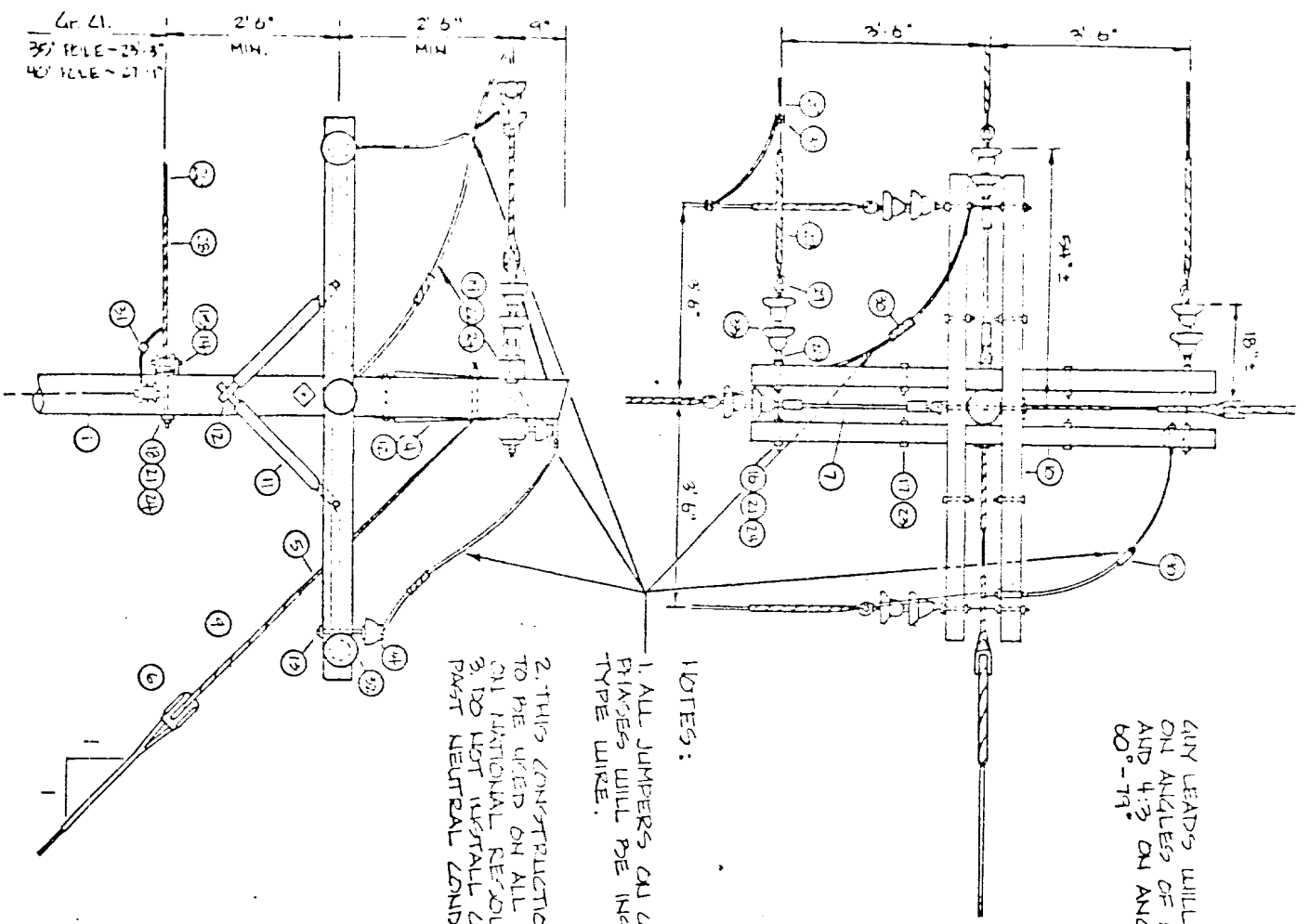
DATE:	12-13-71	TITLE:	ESIA NOTE 74
DRAWN BY:	MD	APP. TRANS. SECTION	MD
DESIGN BY:	MD	PRIM. DESK-ENG.	MD
CHECKED BY:		PRODUCTION DEPT	CCNCCO
APPROVED BY:		JOB:	
SCALE:	NONE	HOBB'S DIVISION	
		DRAWING NO.:	ES-9

NO.	DESCRIPTION	A. B. CHANGE NO.	JOSLYN NO.	OTHER MEN. NO.	HO. SUB.
1	241 amp. output - 100 amp, 15 KV, 16000 amp Int. cap. - 100 amp. output of belt clamp	128810156			✓
2	100 amp. transformer, 10 KV	06910877P			
3	100 amp. transformer, 10 KV				
4	split bolt connector, size req'd				
5	connector, size req'd				
6	connector, size req'd				
7	100 amp. transformer, 10 KV				
8	100 amp. transformer, 10 KV				
9	100 amp. transformer, 10 KV				
10	100 amp. transformer, 10 KV				
11	100 amp. transformer, 10 KV				
12	100 amp. transformer, 10 KV				
13	100 amp. transformer, 10 KV				
14	100 amp. transformer, 10 KV				
15	100 amp. transformer, 10 KV				
16	100 amp. transformer, 10 KV				
17	100 amp. transformer, 10 KV				
18	100 amp. transformer, 10 KV				
19	100 amp. transformer, 10 KV				
20	100 amp. transformer, 10 KV				
21	100 amp. transformer, 10 KV				
22	100 amp. transformer, 10 KV				
23	100 amp. transformer, 10 KV				
24	100 amp. transformer, 10 KV				
25	100 amp. transformer, 10 KV				
26	100 amp. transformer, 10 KV				
27	100 amp. transformer, 10 KV				
28	100 amp. transformer, 10 KV				
29	100 amp. transformer, 10 KV				
30	100 amp. transformer, 10 KV				
31	100 amp. transformer, 10 KV				
32	100 amp. transformer, 10 KV				
33	100 amp. transformer, 10 KV				
34	100 amp. transformer, 10 KV				
35	100 amp. transformer, 10 KV				
36	100 amp. transformer, 10 KV				
37	100 amp. transformer, 10 KV				
38	100 amp. transformer, 10 KV				
39	100 amp. transformer, 10 KV				
40	100 amp. transformer, 10 KV				
41	100 amp. transformer, 10 KV				
42	100 amp. transformer, 10 KV				
43	100 amp. transformer, 10 KV				
44	100 amp. transformer, 10 KV				
45	100 amp. transformer, 10 KV				
46	100 amp. transformer, 10 KV				
47	100 amp. transformer, 10 KV				
48	100 amp. transformer, 10 KV				
49	100 amp. transformer, 10 KV				
50	100 amp. transformer, 10 KV				
51	100 amp. transformer, 10 KV				
52	100 amp. transformer, 10 KV				
53	100 amp. transformer, 10 KV				
54	100 amp. transformer, 10 KV				
55	100 amp. transformer, 10 KV				
56	100 amp. transformer, 10 KV				
57	100 amp. transformer, 10 KV				
58	100 amp. transformer, 10 KV				
59	100 amp. transformer, 10 KV				
60	100 amp. transformer, 10 KV				
61	100 amp. transformer, 10 KV				
62	100 amp. transformer, 10 KV				
63	100 amp. transformer, 10 KV				
64	100 amp. transformer, 10 KV				
65	100 amp. transformer, 10 KV				
66	100 amp. transformer, 10 KV				
67	100 amp. transformer, 10 KV				
68	100 amp. transformer, 10 KV				
69	100 amp. transformer, 10 KV				
70	100 amp. transformer, 10 KV				
71	100 amp. transformer, 10 KV				
72	100 amp. transformer, 10 KV				
73	100 amp. transformer, 10 KV				
74	100 amp. transformer, 10 KV				
75	100 amp. transformer, 10 KV				
76	100 amp. transformer, 10 KV				
77	100 amp. transformer, 10 KV				
78	100 amp. transformer, 10 KV				
79	100 amp. transformer, 10 KV				
80	100 amp. transformer, 10 KV				
81	100 amp. transformer, 10 KV				
82	100 amp. transformer, 10 KV				
83	100 amp. transformer, 10 KV				
84	100 amp. transformer, 10 KV				
85	100 amp. transformer, 10 KV				
86	100 amp. transformer, 10 KV				
87	100 amp. transformer, 10 KV				
88	100 amp. transformer, 10 KV				
89	100 amp. transformer, 10 KV				
90	100 amp. transformer, 10 KV				
91	100 amp. transformer, 10 KV				
92	100 amp. transformer, 10 KV				
93	100 amp. transformer, 10 KV				
94	100 amp. transformer, 10 KV				
95	100 amp. transformer, 10 KV				
96	100 amp. transformer, 10 KV				
97	100 amp. transformer, 10 KV				
98	100 amp. transformer, 10 KV				
99	100 amp. transformer, 10 KV				
100	100 amp. transformer, 10 KV				

DATE:	12-27-71	TITLE:	DESCRIPTION MATERIAL
DRAWN BY:	F. WALKER	PRODUCTION DEPT:	CCNOCCO
DESIGN BY:		HOBBS DIVISION	
CHECKED BY:		JOB:	ELEC SPECS
APPROVED BY:		DRAWING NO.:	ES-1
SCALE:	NONE		SHEET 2 OF 3

ITEM	DESCRIPTION	A. B. CHANGE NO.	JUSTYR NO.	OTHER MERS. NO.	NO. SHE.
3	single insert bolt 5/8" nut, round washer, and cover low or short end, sq. nut and SF locknut on low end, 15 1/8" long (or length required.)	7828			
8	see process porcelain secondary spool insulator, w/ brown glaze		11101		
d	required size conduct w/ servicelead(s) & req'd size & rated insulated conductors. Ref. Div ES-1B			WORKING SKETCH "OC"	
e	1000g porcelain clamp and ground conduct parallel groove clamp, size req'd				
f	secondary insulator clevis for 4" insulator	6570			
g	5/8" x 12" (or length req'd) straight thinplate bolt w/sq. nut	5512			
j	transformer cluster mount bracket (small)			ALUMINA FORM 6M3-6	X
k	transformer cluster mount bracket (large)			ALUMINA FORM 15M3-6	X
l	req'd size insulator disconnect & fuse, 3-phase, 1000g porcelain	X-16			
m	1000g porcelain anchor (or size req'd)	88135			
n	factory oxidation anchor (size req'd)		10101		
o	4" brown glaze set process porcelain secondary spool insulator				
p	5/8" x 7" tubelove anchor rod w/nut (use tubelove 14 req'd - change no. 5367)	5317 (OUT 45006P)			
q	1/2" high strength guy strand (10,000 lb.)				
r	protoned guy wire for 3/8" guy strand	5010			
s	5/8" x 10" and 1/2" tubelove bolt w/nut	6823 1/2			X
t	4" x 1/2" guy clamp w/3/16" hole				
u	4" x 1/2" guy clamp w/3/16" hole				
v	1000g porcelain insulator	6454			X
w	secondary spool for 1/2" guy strand	7887			
x	2 1/2" x 2 1/2" x 7" lift plate				
y	polyester ground plate (may use butt-strap if desired)				
z	ground connection (See Div. ES-12)				
aa	see process porcelain secondary spool insulator, w/ brown glaze				
ab	see process porcelain secondary spool insulator, w/ white glaze				

DATE:	12 27-71	TITLE:	DESCRIPTION MATERIALS
DRAWN BY:	E. WINTER	PRODUCTION DEPT:	CCNOCO
DESIGN BY:		HOBBS DIVISION:	
CHECKED BY:		DRAWING NO.:	ES-1
APPROVED BY:		JOB:	ELEC SPECS
SCALE:	NONE		SHEET 3 OF 5



ANY LEADS WILL BE 1:1 ON ANGLES OF 80°-90° AND 4:3 ON ANGLES OF 60°-79°

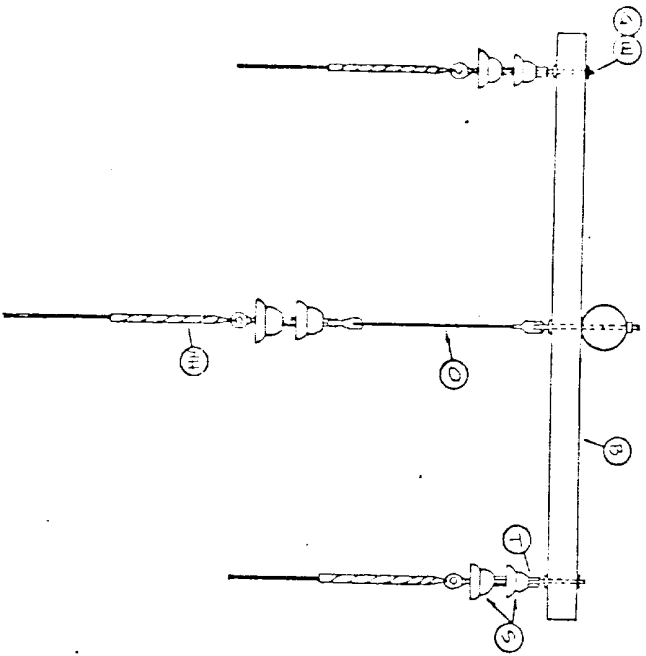
NOTES:

1. ALL JUMPERS ON CONDUCTOR PHASES WILL BE INSULATED TYPE WIRE.
2. THIS CONSTRUCTION STANDARD TO BE USED ON ALL LINES BUILT ON NATIONAL RESERVE LANDS.
3. DO NOT INSTALL GROUND WIRE PAST NEUTRAL CONDUCTOR.

Gr. Cl.
35' POLE - 25-3'
40' POLE - 27-11'

ITEM		MATERIALS	
NO.	DESCRIPTION	LENGTH, CLASS	QTY
1	POLE, 9"		1
2	ANCHOR, 9"		2
3	ALIGNER ROD, 5/8" x 7'		2
4	QUY ATTACHMENT, P193A		2
5	QUY CAPLE, 1/2" DIA		24
6	QUY INSULATOR, 1000		2
7	ETOX INSULATOR, KEARNEY # 322015-24		2
8	CLAMP, 3/8"		2
9	QUY CLIP, 3/8"		6
10	ROPS ARM, 9"		4
11	BEAVE, 3/8" DIA		8
12	LAD SCREW, 1/2"		8
13	STEEL PIN, 5/8" x 5"		2
14	BACKL-POINT		2
15	SCROLL INSULATOR, 34		2
16	POLE DIA, 5/8" x 10"		8
17	POLE HAZ, 3/8" x 11 1/2"		8
18	POLE MATH, 5/8" x 10"		2
19	POLE MATH, 5/8" x 12"		2
20	EYE BOLT, 5/8"		2
21	WASHER, 1 1/4" FLAT		2
22	WASHER, 3" CURVED		2
23	LOCK NUT, 3/8"		8
24	LOCK WRT, 3/8"		15
25	PHASE CONDUCTOR, 10		1
26	NEUTRAL CONDUCTOR, 10		1
27	FREE END, 10		4
28	FREE END, 10		2
29	FREE END, 10		2
30	JUMPER, SLEEVES, 10		2
31	CONDUCTOR, 5.0, 10, 10		2
32	INSULATOR, 10, 10, 10		2
33	INSULATOR, 10, 10, 10		12
34	TIE WIRE, NO. 6 AL		1/2"

DATE: 7-15-77	TITLE: PRIMARY ANGLE STRUCTURE
DRAWN BY: I. HOFFMILL	60°-90° 12500 VOLT WGR
DESIGN BY:	
CHECKED BY: SP	CONOCO
APPROVED BY: SK	HOBB'S DIVISION
SCALE: NONE	PRODUCTION DEPT.
	JOB:
	ELEC. SPECS.
	DRAWING NO.: ES-27



ITEM	QTY	REQ'D
B	1	
D	3	
HH	3	
O	1	
S	6	
T	2	
W	3	

NOTE:
FOR MATERIALS, SEE
DRUGS, ES-1

DATE: 7-15-71	TITLE: EPOXY INSULATOR (EXTENSION LINK)
DRAWN BY: L. MORTILLI	PRODUCTION DEPT: CONOCO
DESIGN BY:	HOBBS DIVISION
CHECKED BY: SK	JOB: ELEC. SPELRS.
APPROVED BY: SK	DRAWING NO.: ES-28
SCALE: 1/8" = 1"	